

WHAT IS CLAIMED IS:

1. A window covering actuator assembly, comprising:
a motor; and
a reduction gear coupled to the motor and to a tilt rod of the window covering, the gear being made from a material having a Shore D hardness not greater than 77.
2. The assembly of Claim 1, wherein the Shore D hardness is not less than 35.
3. The assembly of Claim 1, wherein the main reduction gear has a Shore D hardness of 35.
4. The assembly of Claim 1, wherein the main reduction gear has a Shore D hardness of 40.
5. The assembly of Claim 1, wherein the main reduction gear has a Shore D hardness of 47.
6. The assembly of Claim 1, wherein the main reduction gear has a Shore D hardness of 55.
7. The assembly of Claim 1, wherein the main reduction gear has a Shore D hardness of 72.

8. The assembly of Claim 1, wherein the main reduction gear has a Shore D hardness of 77.
9. The assembly of Claim 1, wherein the main reduction gear is made from a thermoplastic elastic polymer having a Shore D hardness between 35 and 77.
10. A gear assembly for a window covering actuator, comprising:
 - at least one motor gear; and
 - at least one reduction gear engaged with the motor gear, at least one of: the reduction gear and the motor gear, being made from a material having a Shore D hardness not greater than 77.
11. The gear assembly of Claim 10, wherein the reduction gear has Shore D hardness not less than 35.
12. The gear assembly of Claim 10, wherein the reduction gear has a Shore D hardness of 35.
13. The gear assembly of Claim 10, wherein the reduction gear has a Shore D hardness of 40.
14. The gear assembly of Claim 10, wherein the reduction gear has a Shore D hardness of 47.

15. The gear assembly of Claim 10, wherein the main reduction gear has a Shore D hardness of 55.
16. The gear assembly of Claim 10, wherein the main reduction gear has a Shore D hardness of 72.
17. The gear assembly of Claim 10, wherein the main reduction gear has a Shore D hardness of 77.
18. The gear assembly of Claim 10, wherein the main reduction gear is made from a thermoplastic elastic polymer having a Shore D hardness between 35 and 77.
19. The gear assembly of Claim 10, wherein the reduction gear is formed with a central channel.
20. The gear assembly of Claim 19, wherein the central channel is sized and shaped to receive: a tilt rod or open/close rod of a window covering.
21. A window covering actuator, comprising:
 - a motor having a rotor;
 - a motor gear coupled to the rotor; and

a gear assembly, the gear assembly having at least one reduction gear coupled to the motor gear, the reduction gear being made from a material having a Shore D hardness not greater than 77.

22. The actuator of Claim 21, wherein the reduction gear has Shore D hardness not less than 35.

23. The actuator of Claim 21, wherein the reduction gear has a Shore D hardness of 35.

24. The actuator of Claim 21, wherein the reduction gear has a Shore D hardness of 40.

25. The actuator of Claim 21, wherein the reduction gear has a Shore D hardness of 47.

26. The actuator of Claim 21, wherein the main reduction gear has a Shore D hardness of 55.

27. The actuator of Claim 21, wherein the main reduction gear has a Shore D hardness of 72.

28. The actuator of Claim 21, wherein the main reduction gear has a Shore D hardness of 77.

29. The actuator of Claim 21, wherein the main reduction gear is made from a thermoplastic elastic polymer having a Shore D hardness between 35 and 77.

30. The actuator of Claim 21, wherein the reduction gear is formed with a central channel.

31. The actuator of Claim 30, wherein the central channel is sized and shaped to receive: a tilt rod or open/close rod of a window covering.